

WHAT IS CLAIMED IS:

1 1. An overloading protection switch comprising:

2 a housing;

3 a button pivotally connected to an upper portion of the housing and having a
4 first extension and a second extension both extending from a bottom face of the button;

5 a primary leg securely engaged with an inner side face of the housing and
6 partially extending out of the housing, the primary leg having a first contact securely
7 mounted on a top portion of the primary leg;

8 a conductor securely attached to the primary leg;

9 a second primary leg securely received in the housing and partially extending
10 out of the housing; and

11 a bi-metal plate securely connected to a top portion of the second primary leg
12 and having a second contact securely mounted on a top portion of the bi-metal plate to
13 selectively engage with the first contact and a deformation formed on a mediate portion
14 of the bi-metal plate,

15 whereby current passing through the switch will raise the temperature of the
16 bi-metal plate as well as the temperature of the conductor so that the deformation of the
17 bi-metal plate is forced to deform in advance to protect a sensitive electrical appliance
18 connected to the switch.

19 2. The switch as claimed in claim 1, wherein the housing further has two
20 supports respectively formed on opposite inner side faces of the housing to sandwich the
21 bi-metal plate.